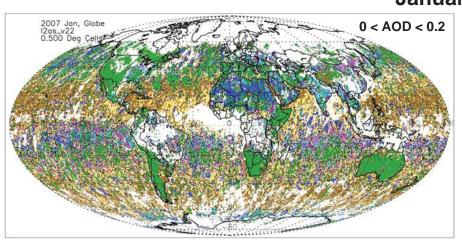
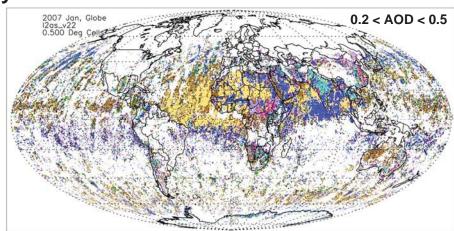


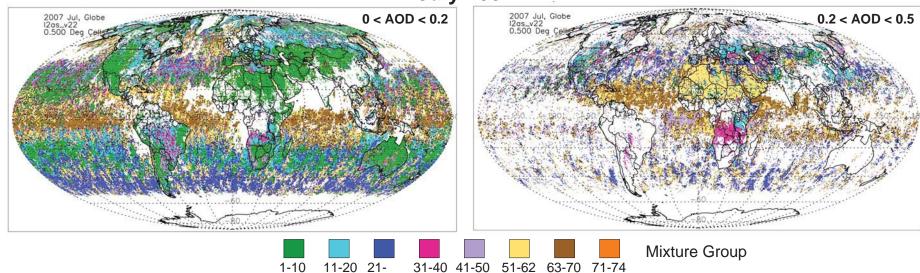
Global Distribution of MISR Most Frequently Retrieved Mixture Group

January 2007





July 2007

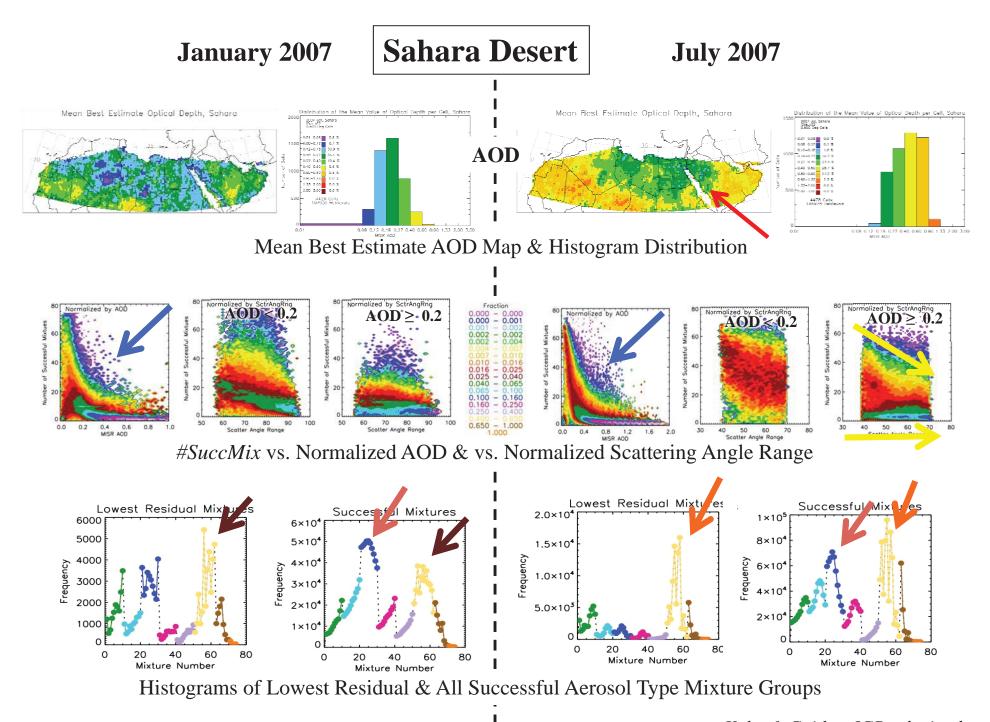


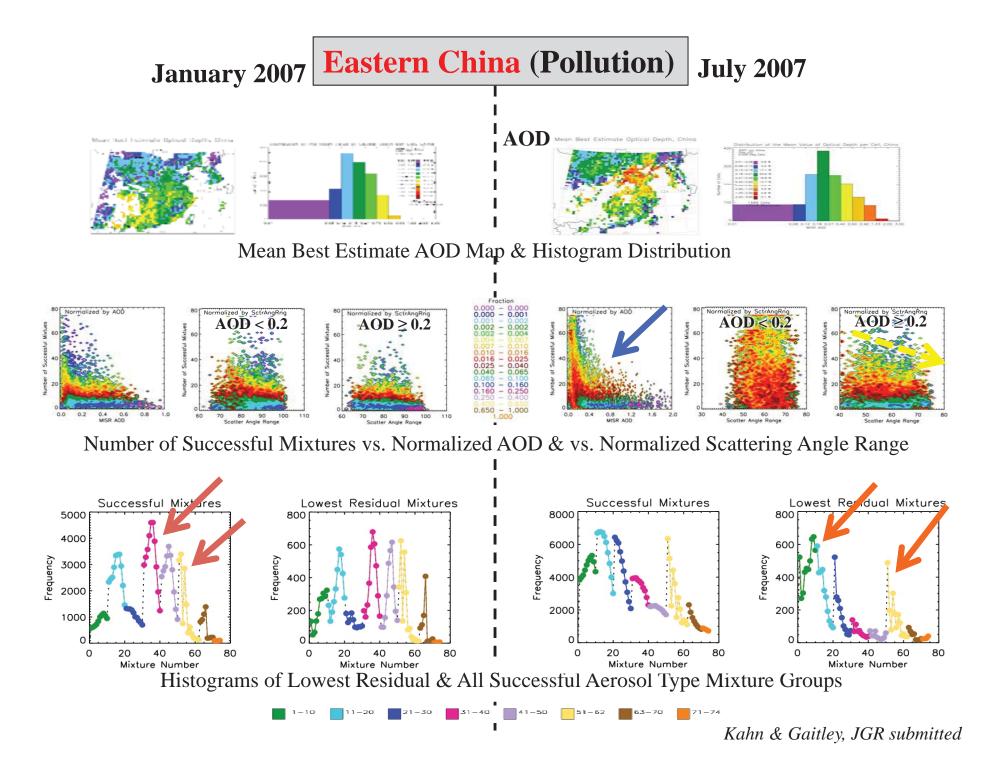
Spherical, non-absorbing

Non-spherical

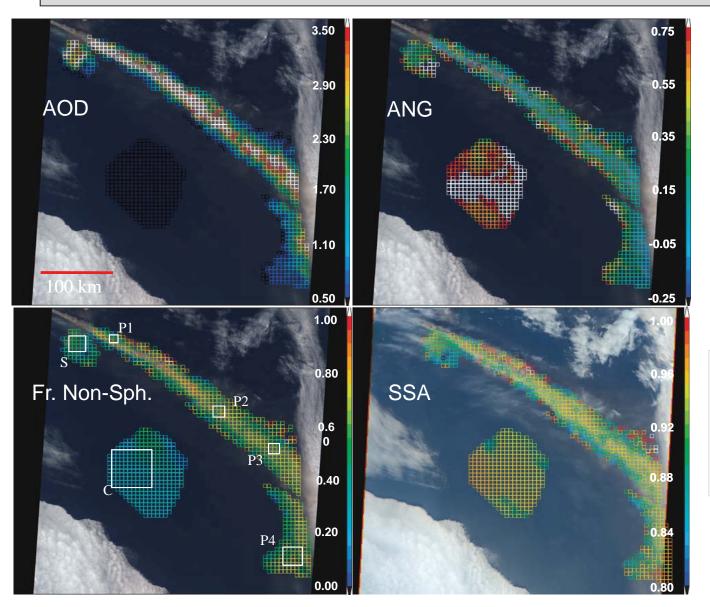
Spherical, absorbing

Kahn, Gaitley, et al. JGR, submitted





MISR Research Aerosol Retrievals Iceland Volcano 07 May 2010 Orbit 55238 Path 216 Blk 40

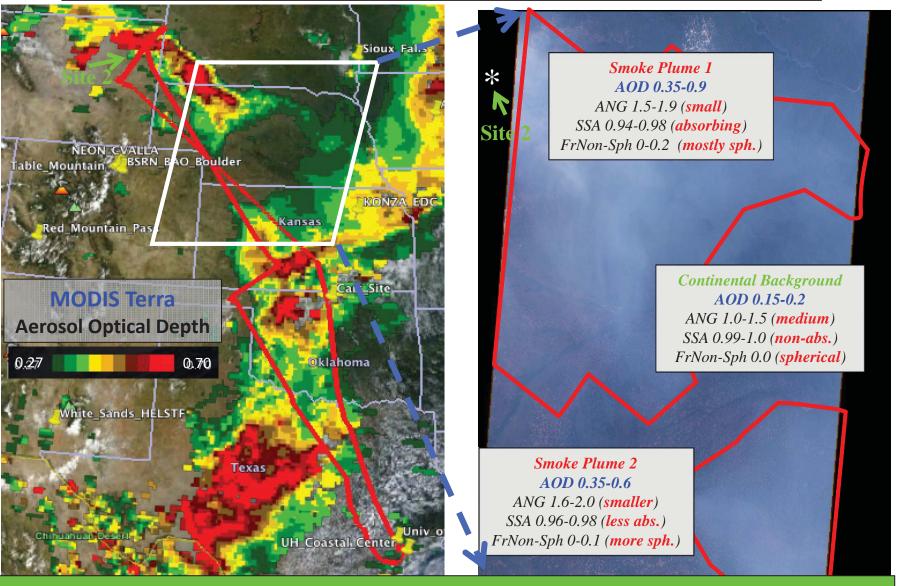


Plume Particles

- Distinct from background
 - -- larger, darker
 - -- much higher AOD
- Non-spherical dominated
- Brighten downwind
- Tend to decrease in size downwind
 - 1-2 days downwind (not shown):
 - High AOD
- Non-spherical dust grains
- Back-trajectory needed to identify plume confidently

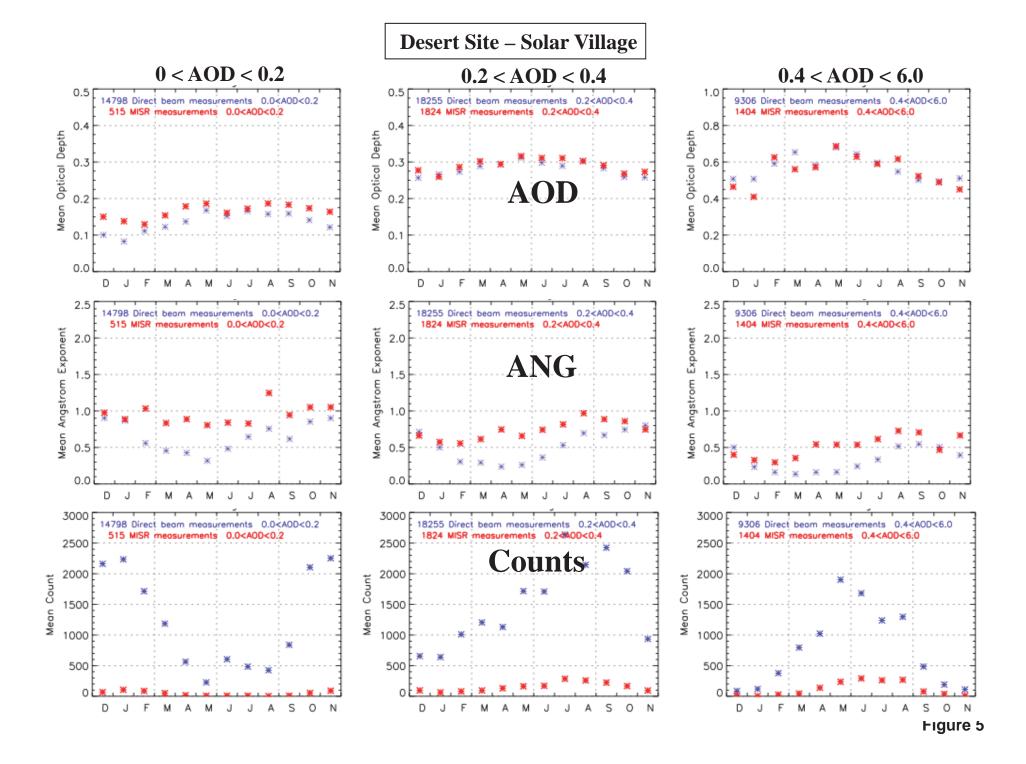
SEAC⁴RS Campaign DC-8 and ER-2 Flights

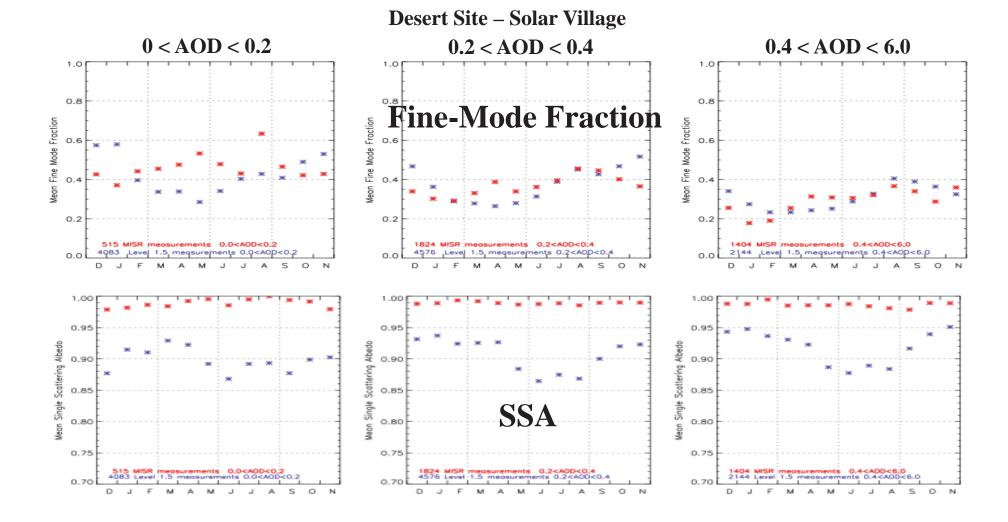
Monday, 19 August 2013



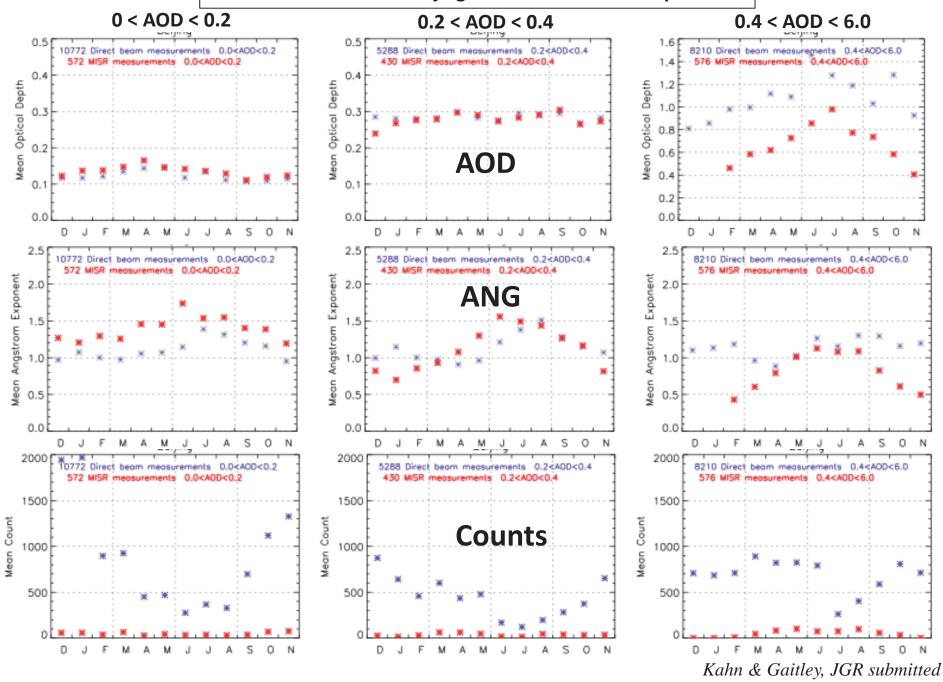
Passive-remote-sensing Aerosol Type is a Total-Column-Effective, Categorical variable!!

Backup Slides





Urban Polluted Site – Beijing– MISR-AERONET Comparisons



Urban Polluted Site – Beijing – MISR-AERONET Comparisons

